

ZUDEKOV, L.B.; CRISTOV, L.B.

Certain mineralogical and technological characteristics of ores  
in the weathered layer of rare metal deposits. Izv. vys. ucheb.  
zav.; tabet. met. 8 no.5:23-28 '65. (MIRA 18:10)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut  
redkometallicheskey promyshlennosti, laboratoriya veshchestvennogo  
sostava rud.

GURVICH, S.I.; ZUBKOV, L.B.; GALETSKIY, L.S.

Geological and mineralogical characteristics of beryllium  
mineralization related to genthelvite. Sov.geol. 8 no.2329.  
44. F '65. (MIR: 18:12)

How does the time interval between the onset of symptoms and the time of death affect the probability of a person being a victim of a crime? (1990, 1991)

7. General company customer information likely to be obtained from the company's files, including the company's name, address, telephone number, and other information, and the company's financial condition, as of 1964.

ZUBKOV, L. V.

USSR/Engineering  
Industrial Statistics

Oct 1947

"Technical Re-equipping of the USSR People's Economy for Thirty Years," Prof A. A. Zvorykin, L. V. Zubkov, 13 pp

"Nauka i Zhizn'" No 10

In First Five-Year Plan Soviet industries multiplied some eight times (US in the same period expanded only 50%). General account of the rapid strides made in Soviet industry. No exact production figures, but gives comparisons in terms of percentages. Series of photographs show industrial might of USSR. Views show Volkhovsk Hydroelectric Plant imeni V. I. Lenin, Nevinnomysskiy Canal with a view of causeway. Several views of steel plants, among them a shoreward view of Azovstal' Metallurgical Works; several photographs of factory equipment, e.g., a super die press at the UralMashZavod.

PA 58132

1. ZUBKOV, L. Ye.; DURNKOVO, P. P. ; MISHENIN, Yu. V.
2. USSR (600)
4. Medical Instruments and Apparatus
7. Mechanization of laborious processes in the production of medical glassware.  
Med. prom. no. 6 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

GIL'ZIN, Karl Aleksandrovich, kand. tekhn. nauk; ZUBKOV, M.A., otv. red.;  
MOLOKANOVA, N.A., tekhn. red.

[Travel to distant worlds] Puteshestvie k dalekim miram. Moskva,  
Gos. izd-vo detskoi lit-ry M-va prosv. RSFSR, 1960. 319 p.  
(MIRA 14:6)

(Astronautics)    (Interplanetary voyages)

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065520018-2  
CIA-RDP86-00513R002065520018-2"

ZUBKOV, M., podpolkovnik

The mission is accomplished by the engineer road-construction  
company. Voen.vest. 43 no.10:98-101 O '63. (MIRA 16s12)

KHALIFMAN, Iosif Aronovich; ZUBKOV, M.A., otv. red.; TOKANEVA, T.M.,  
tekhn. red.

[Password of crossed antennas] Parol skreshchennykh antenn.  
Moskva, Detgiz, 1962. 413 p. (MIRA 16:2)  
(Insects)



ZIGEL', Feliks Yur'yevich; KURT, V.G., kand. fiz.-matem. nauk,  
nauchnyy red.; ZUBKOV, M.A., otv. red.; YEGOROVA, V.K.,  
tekh. red.

[Radio waves from outer space] Radiovolny iz kosmosa. Mo-  
skva, Detgiz, 1963. 141 p. (MIRA 16:6)  
(Radio astronomy)

SHVARTS, Anatoliy Leonidovich; ZUEKOV, M.A., otv. red.; YEGOROVA,  
V.K., tekhn. red. ~~WILKINSON, J. H.~~

[Code of life] Shifr zhizni. Moskva, Detgiz, 1963. 205 p.  
(MEDICINE) (MOLECULAR BIOLOGY) (MIRA 16:10)

SIMONOVICH, Il'ya Zus'yevich; ZUBKOV, M.A., otv. red.

[Pioneer, you can learn to be a shipbuilder] Pioneer -  
sudostroitel'. Moskva, Izd-vo "Detskaya literatura,"  
1964. 140 p. (MIRA 17:6)

BUNIMOVICH, David Zakharovich; ZUBKOV, M.A., redaktor; SAMOKHVALOVA, N.P.  
tekhnicheskiiy redaktor

[Book for the young photoamateur] Kniga iunogo fotoliubitelia.  
Moskva, Gos.izd-vo detskoi lit-ry Ministerstva prosveshchenia  
RSFSR, 1955. 222 p. (MIRA 9:2)  
(Photography)

KHALIFMAN, Iosif Aronovich; ZUBKOV, M.A.; otv. red.; KRAVTSOVA, R.M.,  
tekhn. red.; GOLUBEVA, V.A., tekhn. red.

[Subterranean dwellers] Otstupivshie v podzemel'e. Moskva, Gos.  
izd-vo detekoi lit-ry M-va prosv. RSFSR, 1961. 191 p.  
(MIRA 14:12)

(Termites)

KONDRATOV, Aleksandr Mikhaylovich; DOBRUSHIN, R.L., doktor fiz.-  
matem. nauk, nauchnyy red.; ZUBEKOV, M.A., otv. red.;  
PUSHKOVA, S.K., tekhn. red.

[Numbers and thought] Chislo i mysli'. Moskva, Detgiz,  
1963. 141 p. (MIRA 16:6)  
(Cybernetics)

GUBIN, Vadim Aleksandrovich; ZUBKOV, M.A., otv. red.; SHEVCHENKO, G.N.,  
tekhn. red.

[School apiary] Shkol'naiia paseka. Moskva, Gos. izd-vo detskoj lit-  
ry M-va prosv. RSFSR, 1960. 109 p. (MIRA 14:7)  
(Bee culture--Study and teaching)

ZIGEL', Feliks Yur'yevich; ZUBKOV, M.A., otv.red.; PARTSKVA, T.V.,  
tekhn.red.

[The Universe is full of riddles] Vselennnaya polna zagadok.  
Moskva, Gos.izd-vo detskoi lit-ry M-va prosv.RSFSR, 1960.  
243 p. (MIRA 14:1)  
(Astronomy)



PYL'NEV, Valentin Mikhaylovich; ZUBKOV, M.A., otv.red.; FIVEG, G.M.,  
tekhn.red.

[Astonishing halves; 75 experiments with potatoes] Udivitel'nye  
polovinki; 75 opytov s kartofelem. Moskva, Gos.izd-vo detskoi  
lit-ry M-va prosv.RSFSR, 1960. 93 p. (MIRA 13:7)  
(Potatoes)

PEREL'MAN, Yakov Isidorovich [deceased]; PRUSAKOV, I.I.; ZUBKOV, M.A.,  
otv.red.; KUTUZOVA, M.A., tekhn.red.

[Interesting problems and experiments] Zanimatel'nye zadachi  
i opyty. Moskva, Gos.izd-vo detskoi lit-ry, 1959. 525 p.  
(MIRA 12:8)

(Science--Juvenile literature)

LARIONOV, Leonid Georgiyevich; ZUBKOV, M.A., otv.red.; LEVINSEAYA,  
N.Z., tekhn.red.

[Decisive years] Reshniushchie gody. Moskva, Gos.izd-vo  
detsoi lit-ry M-va prosv.RSFSR, 1959. 30 p. (MIRA 12:8)  
(Electrification)

GIL'ZIN, Karl Aleksandrovich, kandidat tekhnicheskikh nauk; LEVENSHTYIN,  
G.V., otvetstvennyy redaktor; ZUBKOV, M.A., otvetstvennyy redaktor;  
SUKHOVTSEVA, M.D., tekhnicheskii redaktor

[Travels to distant worlds] Puteshestvie k dalskim miram. Moskva,  
Gos. izd-vo detskoi lit-ry, 1956. 276 p. (MLRA 9:10)  
(Interplanetary voyages)

GAL'PERSHTEYN, Leonid Yakovlevich; KHLEBNIKOV, Petr Petrovich; ZUBKOV,  
M.A., otv. red.; TOKAREVA, T.M., tekhn. red.

[The young physicist's laboratory] Laboratoriia iunogo fizika.  
Moskva, Detgiz, 1962. 126 p. (MIRA 15:6)  
(Physical laboratories)

KOLTASHEV, N.G.; ZUBKOVA, M.F.; MARATSUTSEVA, G.V.

Determination of the viscosity of thick extracts by means of a  
tangentially displaced plate. Apt. delo 9 no. 5:20-22 S-0 '60.  
(MIRA 13:10)

1. Permskiy farmatsevticheskiy institut.  
(VISOSIMETRY)

SYRMAY, A.G., nauchnyy sotr.; OBERMEYSTER, A.M., nauchnyy sotr.;  
ERONFMAN, A.I., nauchnyy sotr.; SHIMKO, K.N., kand. tekhn.  
nauk; PARAKHONSKIY, B.M., kand. ekon. nauk. Prinimali ucha-  
stiye: ZHURILOV, V.I., nauchnyy sotr.; ZUBKOV, M.I., nauchnyy  
sotr.; SHVARTS, G.L., nauchnyy sotr.; MIKHEYEV, A.P., doktor  
tekhn. nauk, prof., otv. red.; BYKOV, I.K., red. izd-va;  
DOROKHINA, I., tekhn. red.

[Water and air transportation in capitalist countries: trends in  
the development of equipment] Vodnyi i vozdushnyi transport kapita-  
listicheskikh stran; tendentsii razvitiia tekhnicheskikh sredstv.  
Moskva, Izd-vo Akad.nauk SSSR, 1961. 350 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh pro-  
blem.

(Merchant marine)

(Aeronautics, Commercial)

ZUBKOV, M. K.

The boring of oil wells; textbook. Izd. 2., ispr. 1 dop. Raku,  
Azgostoptekhnizdat, 1941. (49-34447)

TN870.293 1941



ZUBKOV, M.M.

Efficient performance of bits on bottoms of very deep wells.  
Neft. khoz. 38 no.10:48-52 0 '60. (MIRA 13:9)  
(Boring machinery)

**ZUBKOV, M.M.**

**An efficient system of well-head fitting for specially designed  
tubingheads. Trudy Akad. نفت. prom. no.2:184-190 '55.**

**(Oil wells--Equipment and supplies)**

**(MIRA 8:5)**

ZUBKOV, M.M.

Wear of bits in deep drilling in connection with maximum efficient  
drilling speed. Trudy KF VNII no.5:228-246 '61. (MIRA 14:10)  
(Oil well drilling)

GNEDENKO, B.V., akademik; ZURKOV, M.N.

Determining the optimum number of berths. Mor. shor. 2" no.6:30-39  
Je '64. (MIRA 18:7)

ZUSKOV, M.Ye., tech. FALANER, I.I., doktor khimicheskikh nauk

Using the method of volt-ampere characteristics in regulating  
medium current density. Vestnik nauchnoy tekh. shkol 1955.  
(MIRA 1956)

ZUBKOV, M.Ye., inzh.

Calculation of the optimum parameters of networks with parallel  
control. Vest.elektroprom. 33 no.2:58-62 F '62. (MIRA 15:2)  
(Electric networks) (Electric relays)

BYALOBZHESKIY, Grigoriy Valerianovich, kand. tekhn. nauk; DYUNIN, Arkadiy  
Konstantinovich, kand. tekhn. nauk; KOMAROV, Aleksey Aleksandrovich,  
kand. tekhn. nauk; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn. red.

[Snow shields and fences] Snegozashchitnye shchity i zabory. Moskva,  
Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog  
RSFSR, 1961. 35 p. (MIRA 14:8)

(Snow fences)

BABKOV, Valeriy Fedorovich, prof., dektor tekhn.nauk; ZUBKOVA, M.S.,  
red.; MAL'KOVA, N.V., tekhn.red.

[Highways; basic information on highways for automobile  
drivers] Avtomobil'nye dorogi; osnovnye svedeniia o dorogakh  
dlia avtomobilistov. Izd.2., perer. i dop. Moskva, Nauchno-  
tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh  
dorog RSFSR, 1960. 238 p. (MIRA 13:7)  
(Roads)



ZUBKOV, N. gidromonitorshchik.

A team performing creative work. Mast. ugl. 5 no.3:8 Mr '56.  
(Kuznetsk Basin--Hydraulic mining) (MLRA 9:2)

ACC NR: AP7004150 (N) SOURCE CODE: UR/0375/67/000/001/0029/0037

AUTHOR: Zubkov, N. A. (Candidate of military science; Colonel); Barishpolets,  
V. A. (Engineer; Captain 3d rank)

ORG: none

TITLE: Programmed evaluation and review technique PERT as a tool of  
scientific research

SOURCE: Morskoj sbornik, no. 1, 1967, 29-37

TOPIC TAGS: stochastic process, mathematic method, planning, scientific  
research, PERT, programming, programmed evaluation

ABSTRACT: The authors analyze conditions under which mathematical methods of  
PERT may be applicable, specifically when investigating stochastic processes. The  
use of these methods may be a time-saving factor in nuclear warfare, and may be  
used to investigate the operational efficiency of control of naval forces and facili-  
ties. The complexity of the construction of network models and the methods to be  
used in this connection are analyzed. The authors stress the value of the PERT  
method in obtaining quantitative indices characterizing the operational capability

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ACC NR:

AP7004150

1  
of the control system and to streamline the operations of electric computers.  
Orig. art. has: 8 figures and 7 formulas.

[GC]

SUB CODE: 09, 12, 15/SUBM DATE: none/ORIG REF: 003/

ZUBKOV, N.F., inzhener.

Eliminating excesses in the plans of the machine construction  
ministries. Biul.stroi.tekh. 13 no.5:1-3 My '56. (MLRA 9:8)

1. Gosstroy SSSR.  
(Machinery industry)

... ..

Steklokraynyye avtomaty; trudy 1960 gosstatizna spetsializatsiya Leningrad, 1960 avtomaty 1959 (Vitreous State; Transactions of the Third All-Union Conference on the Glass Industry, 1959) Moscow, 1960 avtomaty 1959 (Vitreous State; Held in Leningrad Nov. 1959-1960) Moscow, 1960 avtomaty 1959 (Vitreous State; Held in Leningrad Nov. 1959-1960) copies printed. 120-40 AN SSSR, 1960. 524 p. Format slip inserted. 5000 copies printed. (Series: Ize: Trudy)

(Series: 112: 11203)  
Sponsoring Agencies: Institut khim. silykato Akad. nauk SSSR. Vsesoyuznyy khimicheskoye obshchestvo imeni D.K. Mendeleeva and Khimicheskaya Akademiya. Khimicheskoye obshchestvo imeni S.G. Vavilova.

[illegible]

**REMARKS:** This book is intended for researchers in the science and technology of glass.

[illegible]

Vitreous State (Cont.)  
 257  
 Arinshina, M.M. Calculation of the Electric Field in Patterns of  
 Spectra Sharp Lines. Moscow Effects  
 258  
 Masurin, O.V. Dependence of Electrical Conductivity of Solid Glasses  
 on Composition  
 259  
 Khar'yuzov, V.A., O.V. Murzin, and N.M. Zubanova. Electrical Conductivity of  
 Glasses of the  $\text{K}_2\text{O}-\text{CaO}-\text{SiO}_2$  System  
 260  
 Kostayev, K.A. Study of the Neutralization Effect of Electrical Conductivity  
 in Fused Boron Glasses  
 261  
 Yevstr'yev, K.K. Study of Saturation of Some Alkali Ions in Silica  
 Glasses With the Aid of Endocative Isotopes  
 262  
 Ivanova, Ye.A. Diffusion of Copper Ions in Glass Depending on Composition  
 263  
 Ioffe, V.A., G.I. Khvostenko, and I.G. Ianchenkova. Electrical Properties  
 of Aluminosilicates  
 Card 12/22

Vitreous State (Cont.)  
 264  
 Vashchenko, K.M., and V.I. Shklovsky. New Lowalkali Circum-Containing  
 Silica Glasses of Complex Composition  
 265  
 Oskolensky, V.I., and A.P. Kozlov. On the Problem of Explaining the  
 Nature of Kinklike Inhomogeneities Located in Aluminosilicates  
 266  
 Nikol'skiy, R.P., and N.M. Shal'va. Viscosity Glass Properties  
 267  
 Petrovskiy, G.T. Electrical Properties of Soda Barium Silicate Glasses  
 Discussion  
 268

RECOMMENDATIONS FOR THE STUDY OF GLASS  
 Dependence of Properties on Composition  
 Yevstr'yev, V.A. On Some of the Glasses Included in the Section Relating  
 With Impurities in Glass Properties of Glasses  
 269

Vitreous State (Cont.)  
 270  
 Smilt, Ye. A. On the Dependence of Properties of Alkali Silicate Glasses  
 on Composition  
 271  
 Glebov, A.G., and V.T. Gerasimov. Study of the Inhomogeneous Structure of  
 Inorganic Glasses  
 272  
 Medvedev, N.M. Refraction and Absorption of Light by Some Crystals  
 and Glasses  
 273  
 Yankin, A.K. Dependence of Refractive Index and Optical Constants  
 of Glasses  
 274  
 Glazovskiy, V.M. Calculation of the Activation Energy of Viscous Flow  
 of Alkali Silicate Glasses of a Given Chemical Composition  
 275  
 Kind, S.I., and G.M. Kallitov. Effect of Various Additives on Properties  
 of Fused Quartz  
 276  
 Syrtshikov, Z.M. Physicochemical Properties of Aluminophosphate Glasses  
 Card 13/22

MYASOYEDOV, P., polkovnik, kand.voyennykh nauk; ZUBKOV, N., polkovnik,  
kand.voyennykh nauk

Attack and counterattack. Voen.znan. 38 no.12:13-14, D '62.  
(MIRA 15:12)

(Attack and defense (Military science))

ZUEKCV, N., polkovnik, kand.voyenrykh nauk

Fire, maneuver, and assault on the battlefield. Voen. znan. 37  
no.8:35-36 Ag '61. (MIRA 14:7)

(Tactics)



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CIA-RDP86-00513R002065520018-2

(N)

SOURCE CODE: UR/0110/66/000/010/0032/0033

AUTHOR: Belyayev, N. (Engineer); Zubkov, N. (Engineer); Polyakov, V. (Engineer)

ORG: VDSK im. V. I. Lenin Administration (Upravleniye VDSK)

TITLE: Method for conducting river bed surveys

SOURCE: Rechnoy transport, no. 10, 1966, 32-33

TOPIC TAGS: geodetic survey, geologic survey, hydrographic survey, surveying ship, surveying instrument, inland waterway, optic range finder, ranging, *UNDERWATER*  
*Sound equipment*

ABSTRACT: The basis of a new method of making river bed surveys is the coordination of soundings by solving the inverse geodesic problem contained in the process of ship movement by fixing two angles as a result of continuous sightings with three theodolites on three points of reference ashore, the coordinates of which are known. The new method provides for simultaneous coordination of the soundings taken by the sounding ship through a system containing an "instrument-selsyn-differential selsyn," which transmits two continuously observed angles to an operator who is charged with laying out the plan, a survey of the shore situation, including water lines, the edges of steep banks, and other reference points, using a range finder, the soundings taken by a fathometer with several transmitters mounted in a special console, and the initial laboratory processing. The entire survey party, 11 men, is embarked in

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UDC: 528.47

ACC NR: AP7001765

the sounding ship (a motorship). The method is described, and the results obtained by one survey party working on the lower Don River established the fact that productivity increased by a factor of 3.3 when the new method and equipment was used and compared with the conventional method. The one survey party provided a saving of about 4,000 rubles annually. Orig. art. has: 4 figures.

SUB CODE: 08/SUBM DATE: None

Card 1

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ZUBKOV, N.

Progressive dredger. Rech. transp. 20 no.10:48 0 '61. (MIRA 14:9)  
1. Glavnyy inzhener Nizhne-Donskogo rayona gidroscoruzheniy.  
(Dredging machinery)

SELEKTSIV, V.M., kand. tekhn. nauk; V.P. V., N.Ye. in b.

System of banks located in territory of banks / V.P. V.,  
butaries. Trudy VNIIE no. 46 (1977) (1977)

ZUEKOV, N.V.

Determination of the separation factors of gas anchors. Inv.  
vys. ucheb. zav.; neft' i gaz. 6 no. 5:37-39 1969

(MIRA 1987)

1. Groznenskiy neftyanoy institut.

ZUBKOV, N.V.

Method for determining the required weight of the weighted  
bottom of sucker rods. Izv.vyslucheb.zav.;neft' i gaz ? no.  
1:43-46 '64.  
(MIRA 17:7)

1. Groznenskiy nef'tyanoy institut.



AUTHOR: Zubkov, N.V. SOV/19-58-6-34/685

TITLE: A Depth-Pump Installation for Separate Producing  
from Two Layers (Glubinno-nasosnaya ustanovka dlya  
razdel'noy ekspluatatsii dvukh plastov)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 12 (USSR)

ABSTRACT: Class 5a, 41. Nr 113462 (555191 of 18 July 1956).  
Submitted to the Committee for Inventions and Dis-  
coveries at the Ministers Council of USSR. An in-  
stallation in the form of two concentrically placed  
pipe strings and a compound piston pump mounted in  
the inner string. To let out under-layer gas, the  
outer string is pack harden in the casing and bears  
in its lower portion a coupling with passage chan-  
nels and a saddle for setting on the inner string,  
which is also provided with a coupling with passage  
channels and a saddle for the attachment of the com-  
pound pump.

ZUBKOV, N.V.

Graphs for the determination of the feed factors of deep-well  
pumps which pump live rude. Izv.vys.ucheb.zav.; neft'i gaz 6  
no. 12:35-38 '63. (MIRA 17:5)

1. Groznenskiy neftyanoy institut.

ZUBKOV, N.V.

More exact representation of the formula for the coefficient of admission of a pump with consideration of the harmful influence of free gas. Izv.vys.ucheb.zav.; neft' i gaz 6 no.9:47-51 '63.  
(MIRA 17:2)

1. Groznenskiy neftyanoy institut.

ZUBKOV, N.V.

Determining adequate weight for the heavy lower end of a  
sucker rod column. Izv.vys.ucheb.zav.; neft' i gaz 1 no.11:  
65-69 '58. (MIRA 12:5)

1. Groznenskiy neftyanoy institut.  
(Sucker rods)

ZUBKOV, N.V.

Results of the study of the effect of gas on the operation of  
a deep well pump. Neft. khoz. 39 no. 6:57-62 Ja '61. (MIRA 14:8)  
(Oil well pumps)

ZUBKOV, P., mekhanik

Machine for cutting cables. Na stroi. Mosk. 2 no.6:28 Ja '59.  
(MIRA 12:8)

1. UM-24 tresta Mastroymekhanizatsiya No.7.  
(Cables) (Cutting machines)

BORISOV, M.; ZUBKOV, P.; KOSTINA, L.; YEFIMOVA, R.; VITCHUK, Boleslav

Builders are introducing new methods. Stroitel' no.12:8-9  
D '59. (MIRA 13:3)

1. Predsedatel' TSentral'nogo komiteta profsoyusa rabochikh  
stroitel'stva i promyshlennosti stroitel'nykh materialov. (for  
Borisov). 2. Nachal'nik otдела truda i zarabotnoy platy  
Ufinskogo tresta No.3 (for Zubkov). 3. Korrespondent gazety  
"Znamya stroitelya" (for Yefimova). 4. Brigadir armaturshchikov  
na zavode zhelezobetonnykh izdeliy Ryazanskogo tresta No.23  
(for Vitchuk).

(Building)

ZUBKOV, N.V.

Right depth for sinking a pump under the dynamic level. Neft.  
knozh. 41 no.4:46-47 Ap '63.

(MIRA 17:10)



ZUBKOV, N.V.

Calculating subsurface gas separators. Izv. vna. ucheb.  
zav.; neft' i gaz 7 no.9:45-49 '64. (MIRA 17.12)

1. Groznenskiy neftyanoy institut.

NIKITSKIY, N.: ZUBKOV, P., IYADINA, Ye.; KHODOSOVA, V., no edit

Exhibitions of special topics. Inform, tsel, VLSKP (no. 1). My '44.  
(MIRA 19:5)

1. Starshiy metodist razdel "Torfyanaya promyshlennost'" na  
Vystavke dostizheniy narodnogo khozyaystva SSSR (for I. I. Iyadya).  
2. Starshiy metodist razdel "Ob'edinennyye zavody 'Toplivnaya promyshlennost' i  
geologiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR  
(for Zubkov). 3. Starshiy metodist ob'edineniy "Ob'edinennyye zavody  
"Toplivnaya promyshlennost' i geologiya" na Vystavke  
dostizheniy narodnogo khozyaystva SSSR (for Iyadina). 4. Pavil'yon  
na "Vagkaya promyshlennost'" na Vystavke dostizheniy narodnogo  
khozyaystva SSSR (for Khodosova).

GOL'DENBERG, A.Ya.; FRANK, I.; FROLOV, N.; KOLCHINA, L.; ORLOVA, M.,  
methodist; KOSHELOVA, T.

Exhibitions and displays of special items. Inform. anal. VOKH no.8:  
11-15 Ag '64. (MIRA 17:11)

1. Starchiy inzh.-metodist razbila "Organizatsiya proizvodstva i upravleniya promyshlennymi predpriyatiyami" pavil'ona "Mashino-stroyeniye" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Gol'denberg). 2. Direktor ob'yedinennykh pavil'onov "Toplivnaya promyshlennost' i geologiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Zubkov). 3. Glavnyy metodist pavil'ona "Toplivnaya promyshlennost'" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Begina). 4. Glavnyy inzh.-metodist pavil'ona "Leftyanaya promyshlennost'" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Kotorkina). 5. Starchiy inzh.-metodist pavil'ona "Kolosnaya promyshlennost'" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Kosheleva).

ZUBKOV APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065520018-2  
CIA-RDP86-00513R002065520018-2"

"On the electrical analogues of linear electromechanical systems", by Candidate of Technical Sciences P. G. Zubkov, at the Power Engr. Inst. in KHZHIZHANOVSKIY of the Acad. Sce. USSR.

30: Elektrichestvo, No 5, Moscow, May 1947 (U-5533)

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065520018-2  
CIA-RDP86-00513R002065520018-2"

SANZHAROVSKIY, A.T.; DYLIKOV, M.S.; ZUBOV, P.I.

Effect of the thickness of the adhesive layer on the strength of  
glued joints. Plast.massy no.4:43-46 '64. (MIRA 17:4)

KRYLOVA, I.A.; POSPELOVA, K.A.; ZUBOV, P.I.

Stabilization of aqueous dispersions of carbon black by surface-active agents. Koll.zhur. 26 no.1:57-60 Ja-F '64. (MIRA 17:4)

1. Institut fizicheskoy khimii AN SSSR, Moskva.



LUPICHEV, N.P., inzh.; CHELYSHEV, F.S.; ZUBEKOV, P.M.

Use of inert (smoke) gases for the transportation of petroleum  
products and the repair of oil tank vessels. Proizv.-tekh. sbor.  
no.3:50-66 '59. (MIRA 13:10)  
(Tank vessels) (Petroleum industry--Safety measures)



PETROV, Nikolay Grigor'yevich; ZUBKOV, P.N., retsenzent; OSIFOV,  
M.T., retsenzent; DOKUCHAYEV, M.M., retsenzent;  
DAVYDOV, S.A., otv. rad.

[Short-delay blasting in mines] Korotkozamedlennoe vzry-  
vanie v shakhtakh. Moskva, Nedra, 1964. 142 p.

(P110 17:6)

VALEYEV, Sh.V.; ZUBKOV, P.S., red.; SMIRNOVA, I.I. red.; ZAYNULIN, I.Kh.,  
tekhn. red.

[Special features of growing seed corn] Osobennosti razdelyvaniia  
kukuruzy na semena. Pod red. P.S. Zubkova. Kasan', Itknigizdat,  
1957. 44 p. (MIRA 11:10)

(Corn (Maize))

RABINOVICH, M.P.; ZUBKOV, P.S., redaktor

[Economic analysis of collective farm production] Ekonomicheskii  
analiz kolxosnogo proizvodstva. Kazan', Tatknigoizdat, 1956. 117 p.  
(Collective farms--Accounting) (MLBA 10:9)

ZUBKOV, R.A., kapitan 3-go ranga

Is such a handbook necessary? Mor. sbor. 48 no.2:49-51  
F '65. (MIRA 18:11)

ZUREKOV, S.

How to plan the work of a trade-union committee. Sov.profsoiuzy 17  
no.12:32-33 Je '61. (MIRA 14:6)

1. Predsedatel' komiteta profsoyusa Saratovskogo zavoda  
tyazhelykh zuboreznykh stankov.  
(Saratov---Machine tool industry) (Trade unions)

ZUBKOV, S.D.

Anniversary of an outstanding scientist. Visnyk AN URSS 25 no.12:  
58-60 D '54. (MIRA 8:4)  
(Bilets'kyi, Oleksandr Ivanovych, 1884- )

ZUBKOV, S.S.

Efforts for the reduction of steel costs. Metallurg 6 no.7:17-19  
Jl '61. (MIRA 14:6)

1. Master elektrostaleplavil'nogo tsekha No.2 Zlatoustovskogo  
metallurgicheskogo zavod.  
(Steel--Eletrometallurgy)

ZUCKER, T. A.

A. D. ZINOVY, Soviet Geol. J., No. 2, 53-55, 1939



ZUBEKOV, V.

"Mosbass" shield. Mast. ugl. 7 no.11:24 N '58.

(MTRA 11:12)

1. Zamestitel' glavnogo inzhenera shakhty No.4 kombinata Tulaugol'.  
(Coal mines and mining--Equipment and supplies)

ZUBKOV, V., inzhener; LEYKIN, Z., inzhener.

Quick method for determining moisture in grain after drying.  
Muk.elev.prom. 23 no.9:9-10 S '57. (MIRA 10:11)

1. Gor'kovskaya mel'nitsa No.1.  
(Grain--Analysis) (Moisture)

ZUBEKOV, V., inzh. direktor-podpolkovnik puti i stroitel'stva.

Review of literature on the roadbed. Zhel. dor. transp. no.1:92-95  
'47. (MIRA 13:2)

(Railroads--Track)

MORGUN, A., inzh.; SHCHERBAKOV, V., inzh.; ZUBKOV, V. inzh.; SMEKALIN, V.,  
inzh.

Rubber cleaner for separator sieves. Muk.-elev.prom. 25 no.7:  
16-17 J1 '59. (MIRA 12:11)

1. Gor'kovskiy mashinostroitel'nyy zavod im. Vorob'yeva (for  
Morgun, Shcherbakov). 2. Gor'kovskiy mel'nichnyy kombinat No.1  
(for Zubkov, Smekalin).  
(Sieves)

TESLER, L., inzh.; ZUBOV, V., teknik

Thermionic time relay for automatic VTI grain dryers. Muk.-elev.  
prom.24 no.2:27-28 F '58. (MIRA 11:4)

1. Kuybyshevskoye territorial'noye upravleniye.  
(Grain--Drying)

ZUBKOV, V., inzh.; TROFIMOV, G., inzh.

Building foundations for the underwater part of a slipway  
with compacted sand. Rech. transp. 21 no.6:41-42 Je '62.

(MIRA 15:7)

(Hydraulic engineering)

ZUBKOV, V.

Gorkiy Flour Mill during the years of Soviet rule. Mult.-elev. prom.  
23 no.11:21-22 N '57. (MIRA 11:1)

1. Glavnyy inzhener Gor'kovskoy mol'nitsy No.1 im. M.I. Kalinina.  
(Gorkiy--Flour mills)

ZUBKOV, V.

Employees of the Gorkiy Flour Mill No. 1 are striving for technical progress. Mukrelev.prom. 27 no.5:3-4 My '61. (MIRA 14:6)

1. Glavnyy inzh. Gor'kovskoy mel'nitsy No. 1.  
(Gorkiy—Flour mills)



SAPOZHNIKOV, Matvey Yakovlevich; BULAVIN, Ivan Anisimovich; KANTOROVICH, Z.B., professor, doktor tekhnicheskikh nauk, retsennent; ZURKOV, V.A., dotsent, kandidat tekhnicheskikh nauk, retsennent; BASSKAZOV, N.I., kandidat tekhnicheskikh nauk, dotsent, retsennent; SIDENKO, P.M., kandidat tekhnicheskikh nauk, retsennent; KOZULIN, N.A., professor, doktor tekhnicheskikh nauk, retsennent; STOLYAROV, S.A., redaktor; GURVICH, E.A., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiiy redaktor.

[Machines and apparatus used in the silicate industry] Mashiny i apparaty silikatnoi promyshlennosti; obshchii kurs. Izd.2-oe, dop. i perer. Moskva, Gos.izd-vo lit-ry po stroitel'nyim materialam, 1955. 423 p. (MLBA 9:5)

(Clay industries)

89218

8/056/61/040/001/024/037  
B102/B212

24.450.

AUTHORS: Adamov, M. N., Zubkov, V. A.

TITLE: A comment to the variational calculation of polarizability

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,  
no. 1, 1961, 246-248

TEXT: In the derivation of Kirkwood's formula and similar variational formulas for polarizability the requirements which result from the orthogonality of the perturbed wave functions, were not considered. These formulas therefore give a higher value of the polarizability of excited electron states. The authors' aim is to show that if these requirements are taken into account when setting up the trial function for variational calculation of the electron polarizability in the excited state, results are obtained which agree well with exact values, (i.e., they approach them from below). The variational problem of determining the polarizability  $\alpha_i = -2E_i^{(2)}$  for the i-th electron state is formulated as follows:

$E_i^{(2)} = J \left[ \psi_i^{(1)} \right]_{\min} = \int \psi_i^{(1)} (H_0 - E_i^{(0)}) \psi_i^{(1)} d\tau + 2 \int \psi_i^{(1)} \psi_i^{(0)} d\tau$ , the  
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A comment to the variational ....

normalization of the perturbed function  $\Psi_i$  results in  $\int \Psi_i^{(1)} \Psi_i^{(0)} d\tau = 0$ ,  
 and the orthogonality of the functions  $\Psi_i$  with respect to  $\Psi_k$  (describing a  
 state lower in energy than the  $i$ -th state) yields

$\int \Psi_i^{(1)} \Psi_i^{(0)} d\tau = - \int \Psi_k^{(1)} \Psi_i^{(0)} d\tau = z_{ik} / (E_i^{(0)} - E_k^{(0)})$ . The polarizing field  
 is assumed to be along the  $z$ -axis. The Euler equation

$(H_0 - E_i^{(0)}) \Psi_i^{(1)} = (\lambda_i - z) \Psi_i^{(0)} + \sum_k \lambda_k \Psi_k^{(0)}$ , with  $\lambda_i = E_i^{(1)} - z_{ii}$  and

$\lambda_k = 0$  checks with the perturbation theoretical equation for  $\Psi_i^{(1)}$ :

Substituting  $\Psi_i = [f_i - (f_i)_{ii}] \Psi_i^{(0)}$ ,  $(f_i)_{ik} = \int \Psi_i^{(0)} f_i \Psi_k^{(0)} d\tau$ , yields

$\Psi_i = [f_i - (f_i)_{ii}] \Psi_i^{(0)} + \sum_k c_{ik} \Psi_k^{(0)}$ , where  $c_{ik} = z_{ik} / (E_i^{(0)} - E_k^{(0)}) - (f_i)_{ik}$ .

When introduced into the initial equation this gives:

$$E_i^{(2)} \leq J[\Psi_i]_{\min} = 2 \left[ (z - z_{ii}) + \frac{1}{4} (\text{grad } f_i)^2 \right]_{ii} + 2 \sum_k c_{ik} [(E_k^{(0)} - E_i^{(0)}) f_i +$$

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8/056/61/040/001/024/037  
B102/B212

A comment to the variational ...

$+ z]_{1k} + \sum_k c_{1k}^2 (E_k(0) - E_1(0))$ . For  $f_1 = \alpha_1 z$  one obtains instead of the Kirkwood formula (8):  $\alpha_1 = 4 [z_{11}^2 - (z_{00})^2]^{1/2}$ , a new variational formula (9):  $\alpha_1 = 4 [z_{11}^2 - (z_{11})^2 - \sum_k (z_{1k})^2] / [1 + 2 \sum_k (E_1(0) - E_k(0)) (z_{1k})^2] - 2 \sum_k (z_{1k})^2 / (E_1(0) - E_k(0))$ . Several values of the polarizabilities  $\alpha_{n_1 n_2 m}$  of hydrogen

states computed by using formulas (8) and (9) (the first two lines) are compared with exact values in Table 1 (last line). Parabolic quantum numbers  $n_1$  and  $n_2$  and the magnetic quantum number  $m$  characterize the state;

Table 2 shows analogous values for several states of an electron moving in an infinitely deep potential well having a length of  $l = 10$  atomic units ( $\alpha_n$  is the polarizability of a state characterized by the quantum number  $n$ ). The new formula, unlike the Kirkwood formula, always gives values that do not exceed the exact ones. The formula can be used to calculate the polarizability of many electron systems. Finally, it is pointed out that taking the orthogonality of the perturbed wave functions into account should also be important in other variational calculations of quantities in second

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A comment to the variational...

9/056/61/04C/00\*/024/037  
 B102/B212

perturbation-theoretical approximation. There are 2 tables and 5 references: 2 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: July 14, 1960

Table 1 and 2

Таблица 1

	$a_{100}$	$a_{110}$	$a_{120}$	$a_{130}$	$a_{140}$	$a_{150}$	$a_{160}$
По формуле (8)	4	190	144	2916	2016	2450	1296
По формуле (9)	4	148	144	1402	1580	1477	1296
Точное значение	4,5	108	156	1020	1741	1620	1377

Таблица 2

	$a_1$	$a_2$	$a_3$	$a_4$
По формуле (8)	42,7	109,7	241,5	257,0
По формуле (9)	42,7	-14,0	-8,5	-5,3
Точное значение	43,9	-13,1	-7,8	-4,8

Card 4/4

AMOSOV, N.N.; DUBIN, A.S.; ZUBKOV, V.A.; STARTSEV, V.I.; TOKAREV,  
Yu.S.; SHKARATAN, O.I.; KURTYNIN, M.S., red.; ZHEHENKINA,  
D.I., red.; LEVONEVSKAYA, L.G., tekhn. red.

[A generation of shock workers; a collection of documents  
and materials on socialist competition in Leningrad  
industrial plants in 1928-1961] Pokoleniia udarnikov;  
sbornik dokumentov i materialov o sotsialisticheskoy sorev-  
novanii na predpriyatiyakh Leningrada v 1928-1961 gg. Le-  
ningrad, Leninfizdat, 1963. 454 p. (MIRA 16:9)

1. Leningrad. (Province) Gosudarstvennyy arkhiv Oktyabr'skoy  
revolyutsii i sotsialisticheskogo stroitel'stva.  
(Leningrad--Socialist competition)

**ZUBKOV, V.A.**

**Experience in the use of forging-pressing machines. Stan. 1 instr.**  
**26 no.10:33-34 0'55. (MIRA 9:1)**  
**(Forging machinery)**

ADAMOV, M.N.; ZUBKOV, V.A.

Comment on variational calculations of polarizability. Zhur.  
eksp. i teor. fiz. 40 no.1:246-248 Ja '61. (MIRA 14:6)

1. Leningradskiy gosudarstvennyy universitet.  
(Electrons)



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ACC NR: A6603826 RELEASE: Thursday, September 26, 2002  
CIA-RDP86-00513R002065520018-2  
SOURCE CODE: UR/0236/66/000/010/0064/0068

AUTHOR: Yefimov, R. V. (Engineer; Colonel); Zubkov, V. A. (Engineer; Major);  
Kugoyev, A. P. (Engineer; Major)

ORG: none

TITLE: Alphanumerical display

SOURCE: Vestnik protivovozdushnoy oborony, no. 10, 1966, 64-68

TOPIC TAGS: digital computer, digital system, antiaircraft defense, military  
communication, alphanumeric display, *AIR DEFENSE SYSTEM*

ABSTRACT: An alphanumerical display is used in the air-defense system for the high-speed collection and simulation of important data on military positions, action taken by the air-defense forces, meteorological conditions, and air-defense-force readiness. The alphanumerical display operates on a cold-cathode thyratron, which simplifies the device, decreases its cost, decreases the amount of electricity used, and assures operational reliability; if necessary, the cold cathode thyratron can replace the electron tubes and semiconductor devices which are favored for military use. The system works on the electrolumino-flavin principle. Orig. art. has: 7 figures and 1 table. [WA]

SUB CODE: 09, 15/ SUBM DATE: none

Card 1/1

UDC: none

MAL'TSEV, P.I.; ZUBKOV, V.D.

Disassembling the "Mosbass" shield without removal of supports in  
the area. Ugol' 35 no.11:37-40 N '60. (MIRA 13:12)

1. Shakhta No 4 "Begichevskaya" tresta Kalininskoy, Tul'skiy  
sovnarkhoz.

(Mine timbering)

KATSENBOKEN, Mikhail Solomonovich; ZUBKOV, V.D., retsenzent;  
SMIRNOV, b.A., retsenzent; ALEKSANDROVA, A.A., red.

[Characteristics of radar detection] Kharakteristiki ob-  
naruzheniia. Moskva, Sovetskoe radio, 1965, 95 p.  
(MIRA 18:4)

MOSHKIN, V.N.; ZUBKOV, V.F.; SHIKHANOVA, V.V.

Recent data on the age of anorthosites from the Dzhugdzhur Range.  
Do 1. AN SSSR 137 no.2:391-393 Apr '61. (MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut i  
Dal'nevostochnoye geologicheskoye upravleniye.  
(Dzhugdzhur Range --Anorthosite)

KOPTEV, N.N., inzh.; ZUBKOV, V.F., inzh.

Isographia determination of the moments of inertia for bodies  
of revolution. Vest. mashinostr. 45 no.7:40 J1 '65.

(MIRA 18:10)

10(3)

SOV/20-123-5-9/50

AUTHOR:

Zubkov, V. I.

TITLE:

On the Evaporation of Globules of Solid Bodies in a Flow of Gas (Ob isparenii sharikov tverdykh tel v potoke gaza)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 5, pp 803-805 (USSR)

ABSTRACT:

A drop of a liquid preserves its spherical shape independently of the manner of evaporation from the various parts of its surface. But the shape of a globule of a solid volatile substance permits conclusions concerning the distribution of the evaporation rates over the surface of the body flown around. Some previous papers concerning this subject are mentioned. In order to investigate the evaporation rate in various parts of the globule, the author used globules of naphthalene and camphor. The globules flown around were photographed after definite intervals of time and the rates of evaporation in the various parts of the globule were determined. In the same intervals, the total amount of the substance evaporated per time unit was measured by weighing. The velocity of the gas flow varied within the interval 0.5 - 10 m/sec, and the

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SOV/20-125-5-2/50

On the Evaporation of Globules of Solid Bodies in a Flow of Gas

temperature - within the interval between 15 and 100 - 120° (naphthalene, therefore, is evaporated also in the liquid phase). According to these experiments, the kinetics of the evaporation of naphthalene in the liquid and in the solid phases is the same one. The amount of evaporated substance (per time unit) is different, but the evaporation process from the liquid and solid phase has the same qualitative features. A figure shows the successive contours of an evaporating naphthalene globule of 2 mm diameter at a temperature of 45°. A zone of least evaporation subdivides the surface of the globule into a front part and a rear part. The zone of least evaporation lies in the place of the interruption of the flow. This zone includes an angle of 200° with the center of the globule. The front part and the rear part evaporate with different intensities, and in first approximation they preserve their sphericity. Only the radius of the sphere varies. The variations of the surfaces of the front and rear part have a linear time dependence. The front part evaporates faster than the rear part. One can write  $dS/dt = \text{const}$ , and

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SOV/20-123-5-9/50

On the Evaporation of Globules of Solid Bodies in a Flow of Gas

$$\frac{(dS/dt)_{\text{front}} + (dS/dt)_{\text{rear}}}{2} = \text{const where } S \text{ denotes the surface.}$$

The higher the velocity of the flow, the more intense the evaporation from the front part and from the rear part.  $dS/dt$  increases rapidly with increasing temperature. This temperature dependence proves the diffusion character of evaporation. There are 3 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Odesskiy gosudarstvennyy universitet im. I. I. Mechnikova  
(Odessa State University imeni I. I. Mechnikov)

PRESENTED: July 26, 1958, by V. V. Shuleykin, Academician

SUBMITTED: March 14, 1958

Card 3/3



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MONOSOV, Ya.A.; ZUBKOV, V.I.

Noises of parametric ferrite amplifiers and microwave oscillation  
converters using frequencies higher than the pumping frequency.  
Radiotekh. i elektron. 8 no.3:533-535 Mr '63. (MIRA 16:1)  
(Microwaves) (Parametric amplifiers)